

Reno County

8/31/2020

Background Statistics¹

Number of farms: 1,552

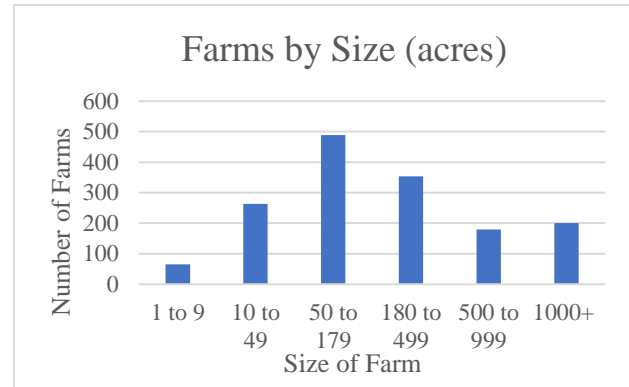
Average size: 508 acres

Land in farms: 788,966 acres

Average value of products sold per farm: \$139,645

Average net cash farm income per farm: \$25,567

1: Data from USDA 2017 Census of Agriculture



Estimated Economic Contribution of Agriculture and Agriculture Related Sectors to the Reno County Economy

Methodology

The estimated economic contribution of agriculture and agriculture related sectors was computed using the most recent IMPLAN data available (2018) adjusted for 2020. The IMPLAN modeling system was used to calculate the results of this analysis. The IMPLAN model was constructed so that double counting was avoided. For this report, 35 of the 71 agriculture and agriculture related sectors in Kansas were identified and analyzed to determine their overall contribution to the Reno County economy.

Results

These 35 sectors have a total direct output of approximately **\$1.3 billion** and account for **3,749 jobs** in Reno County. Running the model for all 35 sectors simultaneously produces the following results:

Agriculture, Food, and Food Processing Sector Contribution to Overall Reno County Economy					
Contribution Type	Employment	% Employment	Total Value Added	% of Gross Regional Product	Output
Direct Effect	3,749	9%	\$249,700,000	9%	\$1,312,500,000
Indirect Effect	1,436	4%	\$107,100,000	4%	\$237,300,000
Induced Effect	1,040	3%	\$71,000,000	3%	\$131,900,000
Total Effect	6,225	16%	\$427,800,000	16%	\$1,681,700,000

NOTE: Individual effects may not equal the total effect due to rounding.

As shown in the above table, agriculture, food, and food processing sectors support a total of **6,225 jobs**, or **16%** of the entire workforce in the county. The total final sales of all products in these sectors is approximately **\$1.7 billion**.

Another metric used to calculate the importance of sectors in an economy is their value added as a percentage of Gross Regional Product (GRP). Total value added by the 35 agriculture, food, and food processing sectors is approximately **\$427.8 million**, or **16%** of the GRP.

Top Ten Sectors by Employment

Out of the agriculture and agriculture related sectors, beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming is the top employer with **952 jobs**. This table also illustrates the top ten sectors by total employment, including direct, indirect, and induced effects in Reno County.

Sector	Total Employment
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	952
Meat processed from carcasses	426
Farm machinery and equipment manufacturing	406
Grain farming	281
Support activities for agriculture and forestry	272
Landscape and horticultural services	256
Truck transportation	247
All other crop farming	185
Paperboard mills	156
Management of companies and enterprises	136

Top Ten Sectors by Output

This table shows how much revenue is generated in other sectors by having a strong agriculture industry, including direct, indirect, and induced effects. The meat processed from carcasses sector is the top contributor, with approximately **\$222.9 million** to the Reno County economy.

Sector	Total Output
Meat processed from carcasses	\$222,900,000
Soybean and other oilseed processing	\$222,100,000
Farm machinery and equipment manufacturing	\$172,800,000
Paperboard mills	\$135,000,000
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	\$119,900,000
Grain farming	\$74,300,000
Fluid milk manufacturing	\$71,700,000
Spice and extract manufacturing	\$67,700,000
Other animal food manufacturing	\$52,800,000
Frozen specialties manufacturing	\$38,600,000

All Direct Sectors

Below is a summary of all agriculture data with employment levels and output level. These values can tell how many jobs are represented by each agriculture, food, and food processing sector and the output they contributed to the Reno County economy. IMPLAN sectors are assigned based on North American Industry Classification System (NAICS) codes. Generally, this analysis includes three categories; production, manufacturing/processing, and services. Note that this analysis does not include wholesale or retail sales of final products, or ethanol production.

Sector	Total Output	Total Employment
Meat processed from carcasses	\$222,922,889.15	426.07
Soybean and other oilseed processing	\$222,112,631.27	44.32
Farm machinery and equipment manufacturing	\$172,840,840.36	405.98
Paperboard mills	\$134,952,977.02	155.51
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	\$119,858,144.44	952.08
Grain farming	\$74,304,328.09	280.91
Fluid milk manufacturing	\$71,741,540.90	96.80
Spice and extract manufacturing	\$67,715,250.05	116.11
Other animal food manufacturing	\$52,780,309.69	47.40
Frozen specialties manufacturing	\$38,568,469.48	100.11
Oilseed farming	\$37,842,623.84	37.79
Landscape and horticultural services	\$15,317,829.54	256.06
Veterinary services	\$8,571,932.74	53.08
Bread and bakery product, except frozen, manufacturing	\$8,540,625.28	59.41
Support activities for agriculture and forestry	\$8,274,823.49	271.74
Dairy cattle and milk production	\$7,777,030.42	18.02
Animal production, except cattle and poultry and eggs	\$7,101,105.92	55.70
All other crop farming	\$6,121,754.73	184.82
Breweries	\$4,760,396.46	10.86
Flour milling	\$3,670,399.14	3.09
Frozen cakes and other pastries manufacturing	\$2,980,491.07	34.04
Greenhouse, nursery, and floriculture production	\$2,625,309.44	22.42
Cotton farming	\$2,281,936.25	27.84
Other snack food manufacturing	\$1,125,061.28	2.14
Poultry and egg production	\$910,066.56	1.32
Roasted nuts and peanut butter manufacturing	\$874,681.16	2.11
Vegetable and melon farming	\$813,249.92	6.23
Food product machinery manufacturing	\$637,442.92	2.12
Commercial logging	\$347,194.79	5.74
Animal, except poultry, slaughtering	\$282,209.36	0.39
Forestry, forest products, and timber tract production	\$169,876.02	2.04
Rendering and meat byproduct processing	\$147,753.33	0.40
Commercial hunting and trapping	\$134,510.51	5.10
Fruit farming	\$38,293.49	0.33
Tree nut farming	\$669.08	0.02

The following terms are used throughout the results shown in this report:

- **Direct effect:** the contribution from agricultural and food products
- **Indirect effect:** the contribution from farms and agricultural businesses purchasing inputs from supporting industries within the state
- **Induced effect:** the contribution from employees of farms, agricultural businesses, and supporting industries spending their wages on goods and services within the state
- **Value added** = labor income + indirect business taxes + other property type income
- **Gross Regional Product** = final demand of households + government expenditures + capital + exports – imports – institutional sales
- **Output** = intermediate inputs + value added
- **Employment:** full-time/part-time annual average i.e., 1 job lasting 12 months = 2 jobs lasting 6 months each = 3 jobs lasting 4 months each. A job is neither full-time nor part-time.
- Due to confidentiality policies that exist within several agencies from which IMPLAN collects their data, some sectors in some regions may not have all data available.

For more information, contact the Division of Agricultural Marketing, Advocacy and Outreach Agency Economist
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